**Development of rainfed areas**

1176. SHRI JANARDHANA POOJARY: Will the Minister of AGRICULTURE be pleased to state:

(a) whether it is a fact that there is a steady decline in the agricultural produce and water tables are shrinking in the rainfed areas of the country;

(b) if so, the details thereof;

(c) whether it is also a fact that poverty and distress are rampant in the rainfed areas;

(d) if so, the details thereof;

(e) whether Government propose to set up a national Authority for Sustainable Development of Rainfed Areas for managing all the watershed programmes funded by Government; and

(f) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI KANTILAL BHURIA): (a) to (f) The State-wise status of ground water in the country as assessed by Central Ground Water Board is given in the Statement (*See* below). The situation gives a cause for concern and is being addressed through a number of interventions and programmes which seek to enhance water conservation and recharge particularly in rainfed areas, such as, National Rainfed Project for Rainfed Areas (NWDPRA), Soil Conservation in the Catchments of River Valley Projects and Flood Prone River (RVP&FPR), Watershed development Project in Shifting Cultivation Areas (WDPSCA) Reclamation of Alkali Soils (RAS), Drought Prone Area Programme (DPAP), Desert Development Programme (DDP), Integrated Waste Land Development Programme (IWDP), Western Ghat Development Project, other watershed programmes of States and Externally Aided Projects etc. The development to rainfed area in a sustainable manner is a continuous process which requires consideration of various innovations including setting up of a unified authority.

## *Statement*

*The State-wise States of ground water in the country*

| Sl. No. | States/Union Territories | Total No. of Assessed Units | Safe | | Semi-critical | | Critical | | Over-exploited | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Nos. | % | Nos. | % | Nos. | % | Nos. | % | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | **States** | | | | | | | | | | |
| 1. | Andhra Pradesh | 1231 | 760 | 62 | 175 | 14 | 77 | 6 | 219 | 18 | - |
| 2. | Arunachal Pradesh | 13 | 13 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 3. | Assam | 23 | 23 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 4. | Bihar | 515 | 515 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 5. | Chattisgarh | 146 | 138 | 95 | 8 | 5 | 0 | 0 | 0 | 0 | - |
| 6. | Delhi | 9 | 2 | 22 | 0 | 0 | 0 | 0 | 7 | 78 | - |
| 7. | Goa | 11 | 11 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 8. | Gujarat | 223 | 97 | 43 | 69 | 31 | 12 | 5 | 31 | 14 | Rest 14 talukas-Saline |
| 9. | Haryana | 113 | 42 | 37 | 5 | 4 | 11 | 10 | 55 | 49 | - |
| 10. | Himachal Pradesh | 5 | 5 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 11. | Jammu & Kashmir | 8 | 8 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 12. | Jharkhand | 208 | 208 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 13. | Karnataka | 175 | 93 | 53 | 14 | 8 | 3 | 2 | 65 | 37 | - |
| 14. | Kerala | 151 | 101 | 67 | 30 | 20 | 15 | 10 | 5 | 3 | - |
| 15. | Madhya Pradesh | 312 | 264 | 85 | 19 | 6 | 5 | 2 | 24 | 8 | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16. | Maharashtra | 318 | 287 | 90 | 23 | 7 | 1 | 0 | 7 | 2 | - |
| 17. | Manipur | 7 | 7 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 18. | Meghalaya | 7 | 7 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 19. | Mizoram | 22 | 22 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 20. | Nagaland | 7 | 7 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 21. | Orissa | 314 | 308 | 98 | 0 | 0 | 0 | 0 | 0 | 0 | Resi 6 blocks-Saline |
| 22. | Punjab | 137 | 25 | 18 | 4 | 3 | 5 | 4 | 103 | 75 | - |
| 23. | Rajasthan | 237 | 32 | 14 | 14 | 6 | 50 | 21 | 140 | 59 | Rest 1 block-Saline |
| 24. | Sikkim | 1 | 1 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 25. | Tamil Nadu | 385 | 145 | 38 | 57 | 15 | 33 | 9 | 142 | 37 | Rest 8 blocks-Saline |
| 26. | Tripura | 38 | 38 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 27. | Uttar Pradesh | 803 | 665 | 83 | 88 | 11 | 13 | 2 | 37 | 5 | - |
| 28. | Uttaranchal | 17 | 12 | 71 | 3 | 18 | 0 | 0 | 2 | 12 | - |
| 29. | West Bengal | 269 | 231 | 86 | 37 | 14 | 1 | 0 | 0 | 0 | - |
| | Total States | 5705 | 4067 | 71 | 546 | 10 | 226 | 4 | 837 | 15 | - |
| | **Union Territories** | | | | | | | | | | |
| 1. | Andaman & Nicobar | 1 | 1 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 2. | Chandigarh | 1 | 1 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 3. | Dadra & Nagar Haveli | 1 | 1 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| 4. | Daman & Diu | 2 | 0 | 0 | 1 | 50 | 0 | 0 | 1 | 50 | - |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5. | Lakshdweep | 9 | 6 | 67 | 3 | 33 | 0 | 0 | 0 | 0 | - |
| 6. | Pondicherry | 4 | 2 | 50 | 0 | 0 | 0 | 0 | 1 | 25 | Rest 1 Region-Saline |
| | Total UTs | 18 | 11 | 61 | 4 | 22 | 0 | 0 | 2 | 11 | - |
| | GRAND TOTAL : | 5723 | 4078 | 71 | 550 | 10 | 226 | 4 | 839 | 15 | - |

**Note:**

Blocks-Bihar, Chhattisgarh, Haryana, Jharkhand, Kerala, Madhya Pradesh, Manipur, Mizoram, Orissa, Punjab, Rajasthan, Tamilnadu, Tripura, Uttar Pradesh, Uttaranchal, West Bengal.

Mandals (Command/non-command)-Andhra Pradesh

Talukas-Goa, Gujarat, Karnataka, Maharashtra

Districts-Arunachal Pradesh, Assam, Delhi, Meghalaya, Nagaland

Districts (Valley)-Himachal Pradesh, Jammu & Kashmir

State-Sikkim

Islands-Lakshdweep

UT-Andaman & Nicobar, Chandigarh, Dadra & Nagar Haveli, Daman & Diu, Pondicherry

CRITERIA FOR CATEGORIZATION

Over-Exploited blocks

Stage of Ground water development->100%, Significant decline in long term water level trend in either pre-monsoon or post-monsoon period or both

Critical Blocks

Stage of Ground Water Development->90% and <=100%, Significant decline in long term water level trend in both pre-monsoon and post-monsoon period

Semi-Critical Blocks

Stage of Ground Water Development->70% and <=100%, Significant decline in long term water level trend in either pre-monsoon or post-monsoon period

Safe blocks

Stage of Ground Water Development-<70%, No significant decline in long term water level trend in both pre-monsoon or post monsoon period